

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2338	(Liquid near crystal or LCD) and (nozzle or dispers\$4 or needle)with(touch\$4 or contact\$4 or hit\$4)with(substrate or surface or wafer) and sensor and (distance or height or gap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/24 18:39
L2	390	(Liquid near crystal or LCD) and (nozzle or dispers\$4 or needle)with(touch\$4 or contact\$4 or hit\$4)with(substrate or surface or wafer) and sensor with (distance or height or gap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/24 18:39
L3	182	(Liquid near crystal or LCD) and (nozzle or dispers\$4 or needle)near2 (touch\$4 or contact\$4 or hit\$4)with(substrate or surface or wafer)and sensor with(distance or height or gap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/24 18:40

L4	122	(Liquid near crystal or LCD) and (nozzle or dispers\$4 or needle)near2 (touch\$4 or contact\$4 or hit \$4)near2 (substrate or surface or wafer) and sensor with (distance or height or gap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/24 18:41
L5	197	"6001203"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/08/24 20:22
S1	1	10/660655	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/24 13:51
S2	9	"6391378"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/03 21:16
S3	0	10/660655	USPAT	OR	OFF	2009/08/21 15:20
S4	1	10/660655	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/21 15:20
S5	0	laser near sensor with (movement with substaret)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/21 15:21
S6	0	laser near sensor with (movement with substaret)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/21 15:21

S7	2	laser near sensor with (movement with substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/21 15:22
S8	0	laser near sensor with (lift\$4 with substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:22
S9	4	laser near sensor same (lift\$4 with substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:22
S10	0	laser near sensor same ((dispens\$4 or deposit\$4 or drop\$4)with substrate) and lift \$4 with sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:24
S11	0	laser near3 sensor same ((dispens\$4 or deposit\$4 or drop \$4)with substrate) and lift \$4 with sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:24
S12	46	laser near3 sensor and ((dispens\$4 or deposit\$4 or drop \$4)with substrate) and lift \$4 with sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:24
S13	97	laser near3 sensor with displac\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:29
S14	45974	OSHIMA.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:42

S15	155063	HIDEO.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:42
S16	575	S14 and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:42
S17	20	S14 and S15 and laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:43
S18	0	S14 and S15 and laser near sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:43
S19	1	S14 and S15 and laser near3 sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:43
S20	2162872	S14 and S15 and laser nwwith sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:43
S21	1	S14 and S15 and laser with sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:43
S22	335011	seiko.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:44

S23	118	S22 and laser near3 sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:44
S24	25	S22 and laser near sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/21 15:44
S25	0	laser near sensor with (movement with substaret)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 18:11
S26	15001	liquid near crystal and nozzle and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 18:13
S27	105	liquid near crystal and nozzle and substrate and (spacing or distance) with (nozzle or syringe or needle) with substrate with(lift\$4 or rais \$4 or lower\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 18:14
S28	246	liquid near crystal and nozzle and substrate and (spacing or distance) with (nozzle or syringe or needle) with substrate with(lift\$4 or rais \$4 or lower\$4 or move\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 18:15

S29	219	liquid near crystal and nozzle and substrate and (spacing or distance) with (nozzle or syringe or needle) with substrate with(lift\$4 or rais \$4 or lower\$4 or move\$4)and (speed\$4 or rate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 18:15
S30	49	liquid near crystal and nozzle and substrate and (spacing or distance) with (nozzle or syringe or needle) with substrate with(lift\$4 or rais \$4 or lower\$4 or move\$4)with (speed\$4 or rate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 18:17
S31	1	10/660655	USPAT	OR	OFF	2010/10/26 18:08
S32	2	10/660655	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/26 18:08
S33	0	liquid near crystal and nozsl\$4 with (gap or distance or space or height) with contrl \$4	USPAT	OR	OFF	2010/10/27 16:43
S34	0	liquid near crystal and nozsl\$4 with (gap or distance or space or height) with contrl \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/27 16:43
S35	930	liquid near crystal and nozsl\$4 with (gap or distance or space or height) with control\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/27 16:43

S36	440	liquid near crystal and nozzl\$4 with (gap or distance or space or height) with control\$4 and laser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/27 16:43
S37	253	liquid near crystal and nozzl\$4 with (gap or distance or space or height) with control\$4 and laser and switch \$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/27 16:44
S38	203	liquid near crystal and nozzl\$4 with (gap or distance or space or height) with control\$4 and laser and switch \$4 and (rate or speed\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/27 16:44
S39	24	liquid near crystal and nozzl\$4 with (gap or distance or space or height) with control\$4 and laser with sensor and switch\$4 and (rate or speed\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/10/27 16:44
S40	2	10/660655	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/11 16:27
S41	14	"6391378"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/11 16:32
S42	193	"6001203"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/09 18:26

S43	15	"6155099"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/09 18:28
S44	2	"6455099"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/09 18:29
S45	26	"5409545"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/09 18:31
S46	4	"6595819"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/09 18:33
S47	4	"6595819"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/05/09 18:37

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